

Patrizio Sale

List of Publications by Year in descending order

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99
papers

4,082
citations

109321

35
h-index

128289

60
g-index

106
all docs

106
docs citations

106
times ranked

8480
citing authors

#	ARTICLE	IF	CITATIONS
1	8-Hydroxyquinoline Derivatives as Fluorescent Sensors for Magnesium in Living Cells. <i>Journal of the American Chemical Society</i> , 2006, 128, 344-350.	13.7	273
2	Early Detection of Fabry Cardiomyopathy by Tissue Doppler Imaging. <i>Circulation</i> , 2003, 107, 1978-1984.	1.6	256
3	Common microRNA signature in skeletal muscle damage and regeneration induced by Duchenne muscular dystrophy and acute ischemia. <i>FASEB Journal</i> , 2009, 23, 3335-3346.	0.5	235
4	The Parkinson-associated protein PINK1 interacts with Beclin1 and promotes autophagy. <i>Cell Death and Differentiation</i> , 2010, 17, 962-974.	11.2	233
5	Clinical Relevance of Action Observation in Upper-Limb Stroke Rehabilitation. <i>Neurorehabilitation and Neural Repair</i> , 2012, 26, 456-462.	2.9	155
6	Tumor-Associated Tn-MUC1 Glycoform Is Internalized through the Macrophage Galactose-Type C-Type Lectin and Delivered to the HLA Class I and II Compartments in Dendritic Cells. <i>Cancer Research</i> , 2007, 67, 8358-8367.	0.9	122
7	Effects of upper limb robot-assisted therapy on motor recovery in subacute stroke patients. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2014, 11, 104.	4.6	107
8	Pro-inflammatory gene expression in solid glioblastoma microenvironment and in hypoxic stem cells from human glioblastoma. <i>Journal of Neuroinflammation</i> , 2011, 8, 32.	7.2	102
9	Feasibility study into self-administered training at home using an arm and hand device with motivational gaming environment in chronic stroke. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2015, 12, 89.	4.6	99
10	Use of the robot assisted gait therapy in rehabilitation of patients with stroke and spinal cord injury. <i>European Journal of Physical and Rehabilitation Medicine</i> , 2012, 48, 111-21.	2.2	97
11	β -Amyloid-Induced Synthesis of the Ganglioside Gd3 Is a Requisite for Cell Cycle Reactivation and Apoptosis in Neurons. <i>Journal of Neuroscience</i> , 2002, 22, 3963-3968.	3.6	89
12	The diabetic milieu modulates the advanced glycation end product-receptor complex in the mesangium by inducing or upregulating galectin-3 expression.. <i>Diabetes</i> , 2000, 49, 1249-1257.	0.6	83
13	Recovery of hand function with robot-assisted therapy in acute stroke patients. <i>International Journal of Rehabilitation Research</i> , 2014, 37, 236-242.	1.3	77
14	Design, development and deployment of a hand/wrist exoskeleton for home-based rehabilitation after stroke - SCRIPT project. <i>Robotica</i> , 2014, 32, 1331-1346.	1.9	75
15	Redox Regulation of the Influenza Hemagglutinin Maturation Process: A New Cell-Mediated Strategy for Anti-Influenza Therapy. <i>Antioxidants and Redox Signaling</i> , 2011, 15, 593-606.	5.4	73
16	Hand Robotics Rehabilitation: Feasibility and Preliminary Results of a Robotic Treatment in Patients with Hemiparesis. <i>Stroke Research and Treatment</i> , 2012, 2012, 1-5.	0.8	72
17	Action observation and mirror neuron network: a tool for motor stroke rehabilitation. <i>European Journal of Physical and Rehabilitation Medicine</i> , 2012, 48, 313-8.	2.2	71
18	Nitric oxide synthases in normal and benign hyperplastic human prostate: Immunohistochemistry and molecular biology. , 1999, 189, 224-229.		69

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19	Metabotropic glutamate receptors in stem/progenitor cells. <i>Neuropharmacology</i> , 2007, 53, 473-480.	4.1	65
20	Systematic review of outcome measures of walking training using electromechanical and robotic devices in patients with stroke. <i>Journal of Rehabilitation Medicine</i> , 2013, 45, 987-996.	1.1	65
21	Mitochondrial Neurogastrointestinal Encephalomyopathy: Evidence of Mitochondrial DNA Depletion in the Small Intestine. <i>Gastroenterology</i> , 2006, 130, 893-901.	1.3	63
22	Ovarian cancer cytoreduction induces changes in T cell population subsets reducing immunosuppression. <i>Journal of Cellular and Molecular Medicine</i> , 2010, 14, 2748-2759.	3.6	61
23	Up-regulation of pro-inflammatory genes as adaptation to hypoxia in MCF7 cells and in human mammary invasive carcinoma microenvironment. <i>Cancer Science</i> , 2010, 101, 1014-1023.	3.9	57
24	Robot-assisted walking training for individuals with Parkinson's disease: a pilot randomized controlled trial. <i>BMC Neurology</i> , 2013, 13, 50.	1.8	55
25	Clinical effects of robot-assisted gait training and treadmill training for Parkinson's disease. A randomized controlled trial. <i>Annals of Physical and Rehabilitation Medicine</i> , 2019, 62, 303-312.	2.3	53
26	Up-regulation of the inflammatory-reparative phenotype in human prostate carcinoma. <i>Prostate</i> , 2009, 69, 1245-1255.	2.3	50
27	Action Observation Therapy in the Subacute Phase Promotes Dexterity Recovery in Right-Hemisphere Stroke Patients. <i>BioMed Research International</i> , 2014, 2014, 1-7.	1.9	50
28	Robot-aided therapy for upper limbs in patients with stroke-related lesions. Brief report of a clinical experience. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2011, 8, 18.	4.6	49
29	Effects on mobility training and de-adaptations in subjects with Spinal Cord Injury due to a Wearable Robot: a preliminary report. <i>BMC Neurology</i> , 2016, 16, 12.	1.8	49
30	Walking Performance: Correlation between Energy Cost of Walking and Walking Participation. New Statistical Approach Concerning Outcome Measurement. <i>PLoS ONE</i> , 2013, 8, e56669.	2.5	46
31	Expression of Reg and cytokeratin 20 during ductal cell differentiation and proliferation in a mouse model of autoimmune diabetes. <i>European Journal of Endocrinology</i> , 1999, 141, 644-652.	3.7	44
32	The experience of living with stroke and using technology: opportunities to engage and co-design with end users. <i>Disability and Rehabilitation: Assistive Technology</i> , 2016, 11, 653-660.	2.2	44
33	Segmental muscle vibration improves reaching movement in patients with chronic stroke. A randomized controlled trial. <i>NeuroRehabilitation</i> , 2013, 32, 591-599.	1.3	41
34	Type-3 metabotropic glutamate receptors negatively modulate bone morphogenetic protein receptor signaling and support the tumorigenic potential of glioma-initiating cells. <i>Neuropharmacology</i> , 2008, 55, 568-576.	4.1	40
35	Caveolin-1 overexpression is associated with simultaneous abnormal expression of the E-cadherin/β-catenins complex and multiple erbB receptors and with lymph nodes metastasis in head and neck squamous cell carcinomas. <i>Journal of Cellular Physiology</i> , 2012, 227, 3344-3353.	4.1	40
36	Upper Limb Robot-Assisted Therapy in Chronic and Subacute Stroke Patients. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2013, 92, e26-e37.	1.4	38

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37	Myosin as a potential redox-sensor: an inÂvitro study. Journal of Muscle Research and Cell Motility, 2008, 29, 119-126.	2.0	37
38	Effects of proximal and distal robot-assisted upper limb rehabilitation on chronic stroke recovery. NeuroRehabilitation, 2013, 33, 33-39.	1.3	37
39	Evidence for cell surface association between CXCR4 and ganglioside GM3 after gp120 binding in SupT1 lymphoblastoid cells. FEBS Letters, 2001, 506, 55-60.	2.8	35
40	The Parkinsonian Gait Spatiotemporal Parameters Quantified by a Single Inertial Sensor before and after Automated Mechanical Peripheral Stimulation Treatment. Parkinson's Disease, 2015, 2015, 1-6.	1.1	33
41	Training for mobility with exoskeleton robot in spinal cord injury patients: a pilot study. European Journal of Physical and Rehabilitation Medicine, 2018, 54, 745-751.	2.2	31
42	Immunogenicity of Allo-Vesicle Carrying ERBB2 Tumor Antigen for Dendritic Cell-Based Anti-Tumor Immunotherapy. International Journal of Immunopathology and Pharmacology, 2009, 22, 647-658.	2.1	30
43	Clinical measurement tools to assess trunk performance after stroke: a systematic review. European Journal of Physical and Rehabilitation Medicine, 2018, 54, 772-784.	2.2	30
44	Metabotropic glutamate receptors: Beyond the regulation of synaptic transmission. Psychoneuroendocrinology, 2007, 32, S40-S45.	2.7	29
45	p53 gene mutational rate, Gleason score, and BK virus infection in prostate adenocarcinoma: Is there a correlation?. Journal of Medical Virology, 2008, 80, 2100-2107.	5.0	29
46	Induction of autophagic cell death by a novel molecule Is increased by hypoxia. Autophagy, 2008, 4, 1042-1053.	9.1	28
47	Ullrich myopathy phenotype with secondary ColVI defect identified by confocal imaging and electron microscopy analysis. Neuromuscular Disorders, 2007, 17, 587-596.	0.6	24
48	mGLU3 metabotropic glutamate receptors modulate the differentiation of SVZâ€derived neural stem cells towards the astrocytic lineage. Glia, 2010, 58, 813-822.	4.9	24
49	Acute Modulation of Brain Connectivity in Parkinson Disease after Automatic Mechanical Peripheral Stimulation: A Pilot Study. PLoS ONE, 2015, 10, e0137977.	2.5	24
50	Apoptogenic Effect of Fentanyl on Freshly Isolated Peripheral Blood Lymphocytes. Journal of Trauma, 2004, 57, 75-81.	2.3	23
51	Cell death, proliferation and repair in human myocarditis responding to immunosuppressive therapy. Modern Pathology, 2006, 19, 755-765.	5.5	22
52	Predicting Motor and Cognitive Improvement Through Machine Learning Algorithm in Human Subject that Underwent a Rehabilitation Treatment in the Early Stage of Stroke. Journal of Stroke and Cerebrovascular Diseases, 2018, 27, 2962-2972.	1.6	22
53	Lipidoâ€sterolic extract of <i>Serenoa repens</i> (LSESr, PermixonÂ®) treatment affects human prostate cancer cell membrane organization. Journal of Cellular Physiology, 2009, 219, 69-76.	4.1	21
54	Segmental muscle vibration modifies muscle activation during reaching in chronic stroke: A pilot study. NeuroRehabilitation, 2014, 35, 405-414.	1.3	21

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55	Susceptibility of isolated myofibrils to in vitro glutathionylation: Potential relevance to muscle functions. <i>Cytoskeleton</i> , 2010, 67, 81-89.	2.0	20
56	Effects of robot assisted gait training in progressive supranuclear palsy (PSP): a preliminary report. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 207.	2.0	20
57	Effects of capacitive and resistive electric transfer therapy in patients with knee osteoarthritis: a randomized controlled trial. <i>International Journal of Rehabilitation Research</i> , 2019, 42, 106-111.	1.3	20
58	Metabotropic glutamate receptors regulate differentiation of embryonic stem cells into GABAergic neurons. <i>Cell Death and Differentiation</i> , 2008, 15, 700-707.	11.2	18
59	Long-term effects of automated mechanical peripheral stimulation on gait patterns of patients with Parkinson's disease. <i>International Journal of Rehabilitation Research</i> , 2015, 38, 238-245.	1.3	18
60	Smartphone applications validated for joint angle measurement: a systematic review. <i>International Journal of Rehabilitation Research</i> , 2019, 42, 11-19.	1.3	18
61	Is the aquatic thermal environment a suitable place for providing rehabilitative treatment for person with Parkinson's disease? A retrospective study. <i>International Journal of Biometeorology</i> , 2019, 63, 13-18.	3.0	18
62	Sport, free time and hobbies in people with spinal cord injury. <i>Spinal Cord</i> , 2012, 50, 452-456.	1.9	17
63	Predictors of Changes in Sentimental and Sexual Life After Traumatic Spinal Cord Injury. <i>Archives of Physical Medicine and Rehabilitation</i> , 2012, 93, 1944-1949.	0.9	16
64	GD3 nuclear localization after apoptosis induction in HUT-78 cells. <i>Biochemical and Biophysical Research Communications</i> , 2008, 368, 495-500.	2.1	15
65	Short-term and long-term outcomes of serial robotic training for improving upper limb function in chronic stroke. <i>International Journal of Rehabilitation Research</i> , 2014, 37, 67-73.	1.3	14
66	Hemiparetic gait and changes in functional performance due to OnabotulinumtoxinA injection to lower limb muscles. <i>Toxicon</i> , 2015, 107, 109-113.	1.6	14
67	Hypersensitivity myocarditis induced by beta-blockers: an unexpected cause of abrupt deterioration in hypertrophic cardiomyopathy. <i>Intensive Care Medicine</i> , 2007, 33, 1848-1849.	8.2	13
68	High prevalence of intramural coronary infection in patients with drug-resistant cardiac syndrome X: comparison with chronic stable angina and normal controls. <i>Heart</i> , 2010, 96, 1926-1931.	2.9	13
69	SmartCARE™ An ICT Platform in the Domain of Stroke Pathology to Manage Rehabilitation Treatment and Telemonitoring at Home. <i>Smart Innovation, Systems and Technologies</i> , 2016, , 39-49.	0.6	11
70	Laser Microdissection in Clinical Cardiovascular Research. <i>Chest</i> , 2005, 128, 2876-2881.	0.8	10
71	Gerontechnology, Domatics, and Robotics. <i>Practical Issues in Geriatrics</i> , 2018, , 161-169.	0.8	10
72	Action Observation in People with Parkinson's Disease. A Motor-Cognitive Combined Approach for Motor Rehabilitation. A Preliminary Report. <i>Diseases (Basel, Switzerland)</i> , 2018, 6, 58.	2.5	10

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73	Gait impairment in neurological disorders: a new technological approach. <i>Functional Neurology</i> , 2009, 24, 179-83.	1.3	10
74	Can muscle vibration be the future in the treatment of cerebral palsy-related drooling? A feasibility study.. <i>International Journal of Medical Sciences</i> , 2019, 16, 1447-1452.	2.5	9
75	Real-Time Polymerase Chain Reaction and Laser Capture Microdissection: An Efficient Combination Tool for <i>Chlamydomytila Pneumoniae</i> DNA Quantification and Localization of Infection in Atherosclerotic Lesions. <i>International Journal of Immunopathology and Pharmacology</i> , 2008, 21, 421-428.	2.1	8
76	Grasps Recognition and Evaluation of Stroke Patients for Supporting Rehabilitation Therapy. <i>BioMed Research International</i> , 2014, 2014, 1-14.	1.9	8
77	Technical evaluation of and clinical experiences with the SCRIPT passive wrist and hand orthosis. , 2014, , .		8
78	Does aquatic thermal therapy improve quality of life after total hip replacement? A retrospective preliminary pilot study. <i>International Journal of Biometeorology</i> , 2020, 64, 1023-1026.	3.0	8
79	Action Observation Therapy for Upper Limb Recovery in Patients with Stroke: A Randomized Controlled Pilot Study. <i>Brain Sciences</i> , 2021, 11, 290.	2.3	8
80	Electroencephalographic markers of robot-aided therapy in stroke patients for the evaluation of upper limb rehabilitation. <i>International Journal of Rehabilitation Research</i> , 2015, 38, 294-305.	1.3	7
81	Upper Limb Robot-Assisted Therapy in Chronic and Subacute Stroke Patients: A Kinematic Analysis. <i>Biosystems and Biorobotics</i> , 2013, , 129-133.	0.3	6
82	Effects of long-term treatment with the anti-androgen bicalutamide on human testis: an ultrastructural and morphometric study. <i>Histopathology</i> , 2001, 38, 195-201.	2.9	5
83	The origin recognition complex subunit, ORC3, is developmentally regulated and supports the expression of biochemical markers of neuronal maturation in cultured cerebellar granule cells. <i>Brain Research</i> , 2010, 1358, 1-10.	2.2	5
84	Effects of upper limb robot-assisted therapy on motor recovery of subacute stroke patients: A kinematic approach. , 2013, 2013, 6650503.		5
85	Insulin-like growth factor-1 inhibits STS-induced cell death and increases functional recovery of in vitro differentiated neurons. <i>Cell Cycle</i> , 2008, 7, 3869-3877.	2.6	4
86	Preliminary Findings of Feasibility and Compliance of Technology-Supported Distal Arm Training at Home after Stroke. <i>Biosystems and Biorobotics</i> , 2014, , 665-673.	0.3	4
87	C3-induced 3LL cell proliferation is mediated by C kinase. <i>Journal of Cellular Biochemistry</i> , 2005, 94, 635-644.	2.6	2
88	The Role of the European Physiatrist in Traumatic Brain Injury. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2011, 90, 83-86.	1.4	2
89	78. Spatiotemporal changes in gait performance due to onabotulinumtoxinA injection to lower limb muscles in patients with upper motor neuron syndrome. <i>Toxicon</i> , 2015, 93, S24-S25.	1.6	2
90	Track K. <i>Biomedizinische Technik</i> , 2014, 59, s700-57.	0.8	1

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91	Cognitive Rehabilitation Therapy for Neurologic Diseases. Practical Issues in Geriatrics, 2018, , 341-347.	0.8	1
92	Inflammatory Biomarker and Stroke Rehabilitation a New Point of View about the Role in Prognostic Factor. International Journal of Physical Medicine & Rehabilitation, 2016, 4, .	0.5	1
93	Detection of oncogenic HPV and identification of 72Arg polymorphic p53 by in situ PCR for clinical routine purposes. Anticancer Research, 2006, 26, 3095-103.	1.1	1
94	New fluorescent chemosensors for magnesium ions in living cells. , 2006, , .		0
95	Effect of End-Effector Robot-Assisted Therapy in Progressive Supranuclear Palsy Patients. PM and R, 2013, 5, S151-S151.	1.6	0
96	No. 85 Spatiotemporal Changes in Gait Performance Due to OnabotulinumtoxinA Injection to Lower Limb Muscles in Patients With Upper Motor Neuron Syndrome. PM and R, 2014, 6, S112.	1.6	0
97	The worse is the clinical status of the patient with Parkinson, the higher is the stride length percentage of improvement after Automated Mechanical Peripheral Stimulation.. Parkinsonism and Related Disorders, 2016, 22, e12.	2.2	0
98	Virtual reality and feeling of falling: a physiological wearable tool for virtual reality sickness. , 2021, , .		0
99	FEX a Fingers Extending eXoskeleton for Rehabilitation and Regaining Mobility. Mechanisms and Machine Science, 2018, , 813-824.	0.5	0